

## SEQUENCE LISTING

<110> Institut Pasteur  
Institut National de la Santé et de la Recherche Médicale  
(INSERM)

<120> Repertoire determination of a lymphocyte B population

<130> D21747

<150> EP 03/293,159  
<151> 2003-12-15

<150> US 10/734,622  
<151> 2003-12-15

<160> 47

<170> PatentIn version 3.2

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specific for the nucleic acid encoding a VH segment of the VH1  
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subgroup"

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specific for the nucleic acid encoding a VH segment of the VH2  
subgroup"

<400> 4  
aaccacacasa gaccctcac 19

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HUMVH3aa specific for the nucleic acid encoding a VH segment of  
the VH3a subgroup"

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gcagattcac catctcaaga gatg 24

<210> 6  
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HUMVH3ab specific for the nucleic acid encoding a VH segment of  
the VH3a subgroup"

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<210> 7  
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HUMVH3ba specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"  
  
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gccgattcac catctccaga ga 22  
  
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HUMVH3bb specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"  
  
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gcagattcac catctccaga ga 22  
  
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HUMVH3bc specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"  
  
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gccgattcac catctccagg ga 22  
  
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HUMVH3bd specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"  
  
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gcaggttcac catctccaga ga 22  
  
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<222> (1)..(22)

<223> /note="description of artificial sequence: Forward primer HUMVH4a specific for the nucleic acid encoding a VH segment of the VH4 subgroup"

<400> 11

ctacaacccg tccctcaaga gt

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<210> 12

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<222> (1)..(22)

<223> /note="description of artificial sequence: Forward primer HUMVH4b specific for the nucleic acid encoding a VH segment of the VH4 subgroup"

<400> 12

ctacaacccc tccctcaaga gt

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<210> 13

<211> 18

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<222> (1)..(18)

<223> /note="description of artificial sequence: Forward primer HUMVH5 specific for the nucleic acid encoding a VH segment of the VH5 subgroup"

<400> 13

gtgaaaaaagc ccgggggag

18

<210> 14

<211> 18

<212> DNA

<213> Artificial

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<222> (1)..(18)

<223> /note="description of artificial sequence: Forward primer HUMVH6 specific for the nucleic acid encoding a VH segment of the VH6 subgroup"

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tccggggaca gtgtctct

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specific for the nucleic acid encoding a VH segment of the VH7  
subgroup"

<400> 15  
ggtgcaatct ggggtctgagt t 21

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<223> /note="description of artificial sequence: Reverse primer IGJH1  
specific for the nucleic acid encoding a JH segment of the JH1  
subgroup"

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ccctggcccc agtgctg 17

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<220>  
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specific for the nucleic acid encoding a JH segment of the JH2  
subgroup"

<400> 17  
ccacggcccc agagatcg 18

<210> 18  
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<220>  
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<222> (1)..(23)  
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specific for the nucleic acid encoding a JH segment of the JH3  
subgroup"

<400> 18

cccttgcccc cagayatcaa aag

23

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<220>  
<221> source  
<222> (1)..(19)  
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specific for the nucleic acid encoding a JH segment of the JH4  
subgroup"

<400> 19  
ggttccttgg ccccgtag 19

<210> 20  
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<213> Artificial

<220>  
<221> source  
<222> (1)..(19)  
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specific for the nucleic acid encoding a JH segment of the JH4  
subgroup"

<400> 20  
ggttccttgg ccccgtag 19

<210> 21  
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<213> Artificial

<220>  
<221> source  
<222> (1)..(19)  
<223> /note="description of artificial sequence: Reverse primer IGJH4.3  
specific for the nucleic acid encoding a JH segment of the JH4  
subgroup"

<400> 21  
ggtcccttgg ccccgtag 19

<210> 22  
<211> 18  
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<220>  
<221> source  
<222> (1)..(18)  
<223> /note="description of artificial sequence: Reverse primer IGJH5  
specific for the nucleic acid encoding a JH segment of the JH5

subgroup"

<400> 22  
tggccccagg rgtcgaac 18

<210> 23  
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<220>  
<221> source  
<222> (1)..(20)  
<223> /note="description of artificial sequence: Reverse primer IGJH6.1  
specific for the nucleic acid encoding a JH segment of the JH6  
subgroup"

<400> 23  
ccttgcccc agacgtccat 20

<210> 24  
<211> 20  
<212> DNA  
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<220>  
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<222> (1)..(20)  
<223> /note="description of artificial sequence: Reverse primer IGJH6.2  
specific for the nucleic acid encoding a JH segment of the JH6  
subgroup"

<400> 24  
ccttgcccc agacgtccat 20

<210> 25  
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specific for the nucleic acid encoding a JH segment of the JH6  
subgroup"

<400> 25  
cctttgcccc agacgtccat 20

<210> 26  
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<222> (1)..(16)  
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specific for the nucleic acid encoding a CH segment of the IgM  
heavy chain"  
  
<400> 26  
cagccaacgg ccacgc 16  
  
<210> 27  
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specific for the nucleic acid encoding a CH segment of the IgG  
heavy chain"  
  
<400> 27  
tcagagcgcc tgagttcca 19  
  
<210> 28  
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heavy chain"  
  
<400> 28  
tcagggcgcc tgagttcca 19  
  
<210> 29  
<211> 15  
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<221> source  
<222> (1)..(15)  
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specific for the nucleic acid encoding the CH segment of the IgM  
heavy chain "  
  
<400> 29  
ccgtcggata cgagc 15  
  
<210> 30  
<211> 19  
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<220>

<221> source

<222> (1)..(19)

<223> /note="description of artificial sequence: Reverse probe HCM  
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heavy chain"

<400> 30

ggagacgagg gggaaaagg

19

<210> 31

<211> 18

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<222> (1)..(18)

<223> /note="description of artificial sequence: VH5 internal forward  
primer specific for the nucleic acid encoding a VH segment of the  
VH5 subgroup"

<400> 31

agcccgggga gtctctga

18

<210> 32

<211> 17

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<222> (1)..(17)

<223> /note="description of artificial sequence: Hydrolysis probe  
specific for the nucleic acid encoding a VH segment of the VH5  
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<400> 32

acccttacag gagatct

17

<210> 33

<211> 20

<212> DNA

<213> Artificial

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<222> (1)..(20)

<223> /note="description of artificial sequence: CH reverse primer  
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IgE"

<400> 33

tcacggaggt ggcattggag

20

<210> 34  
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<223> /note="description of artificial sequence: CH reverse hydrolysis  
probe HCG specific for the nucleic acid encoding a CH segment of  
the IgG heavy chain"

<400> 34  
ccggtgacgg tgtc

14

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<222> (1)..(22)

<223> /note="description of artificial sequence: CH reverse probe HCG  
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heavy chain"

<400> 35  
aagtagtcct tgaccaggca gc

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probe HIGCE1-MGB specific for the nucleic acid encoding a  
CH segment of the IgE"

<400> 36  
tgctgcaaaa acattc

16

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<400> 37  
cgggtcaagg ggaagacgg

19

<210> 38  
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sequence of the clonal expansion A"

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Thr His Ile Gly Tyr Ser Ala Ala Gly Trp Tyr Phe Asp Leu  
1 5 10

<210> 39  
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<223> /note="description of artificial sequence: /note="description of  
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expansion B"

<400> 39

Leu Gly Tyr Cys Ser Gly Gly Ser Cys Tyr Gly Val Gly Cys Gly Ala  
1 5 10 15

Asp Cys Tyr Arg Glu Tyr Phe Gln Asp  
20 25

<210> 40  
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<220>  
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<223> /note="Description of artificial sequence: Reverse primer  
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segment of the IgG heavy chain

<400> 40  
agggggaaga csgatggg

18

<210> 41  
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<220>  
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<222> 1..19

<223> /note="Description of artificial sequence: Reverse primer  
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segment of the IgG heavy chain

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<211> 22

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<220>

<221> source

<222> 1..22

<223> /note="Description of artificial sequence: Reverse primer  
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gtggtggctg gtaaggcat ag

22

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<220>

<221> source

<222> 1..15

<223> /note="Description of artificial sequence: CH reverse  
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encoding a CH segment of the IgE heavy chain

<400> 43

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15

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<211> 20

<212> DNA

<213> Artificial

<220>

<221> source

<222> 1..20

<223> /note="Description of artificial sequence: Reverse primer  
HIGCA specific for the nucleic acid encoding a CH segment  
of the IgA heavy chain

<400> 44

tttcgctcca ggtcacactg

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<210> 45  
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<222> 1..19

<223> /note="Description of artificial sequence: CH reverse  
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segment of the IgA heavy chain

<400> 45  
tcagcgggaa gaccttggg

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<210> 46  
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a CH segment of the IgA heavy chain

<400> 46  
ttccccagg agcca

15

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